Trend Macrolytics, LLC
Donald Luskin, Chief Investment Officer
Thomas Demas, Managing Director
Michael Warren, Energy Strategist

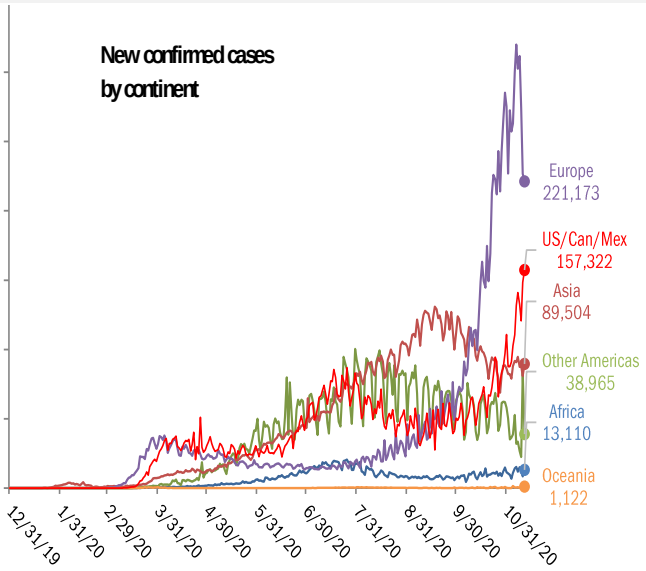
Data Insights: Covid-2019 Monitor

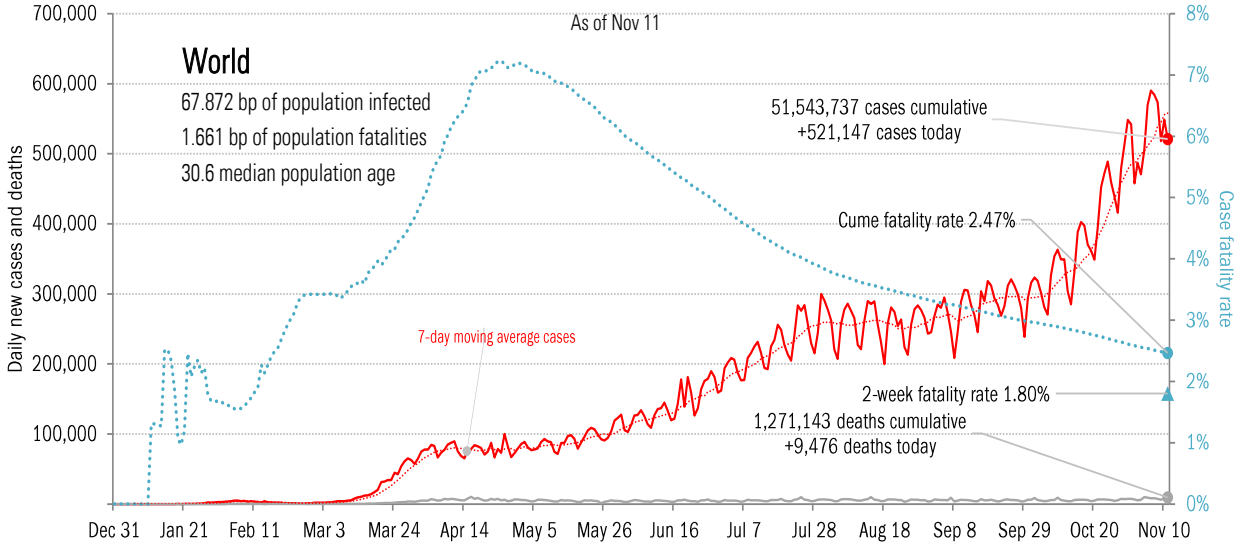
Wednesday, November 11, 2020

The global scorecard

The worst ten countries

New cases		New Deaths	
US	+147,274	US	+1,432
India	+44,281	France	+1,220
Italy	+35,090	Mexico	+617
Poland	+25,454	Italy	+580
France	+22,180	UK	+532
Russia	+20,977	India	+512
UK	+20,412	Iran	+453
Germany	+18,487	Russia	+368
Spain	+17,395	Poland	+330
Argentina	+11,976	Argentina	+276
	+363,526		+6,320
World	+521,147	World	+9,476
Top ten	70%	Top ten	67%





Source: ECDC, TrendMacro calculations

For more information contact us:
Donald Luskin: 312 273 6766 don@trendmacro.com
Thomas Demas: 704 552 3625 tdemas@trendmacro.com

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The US scorecard

National and state-by-state data do not line up because of different sources

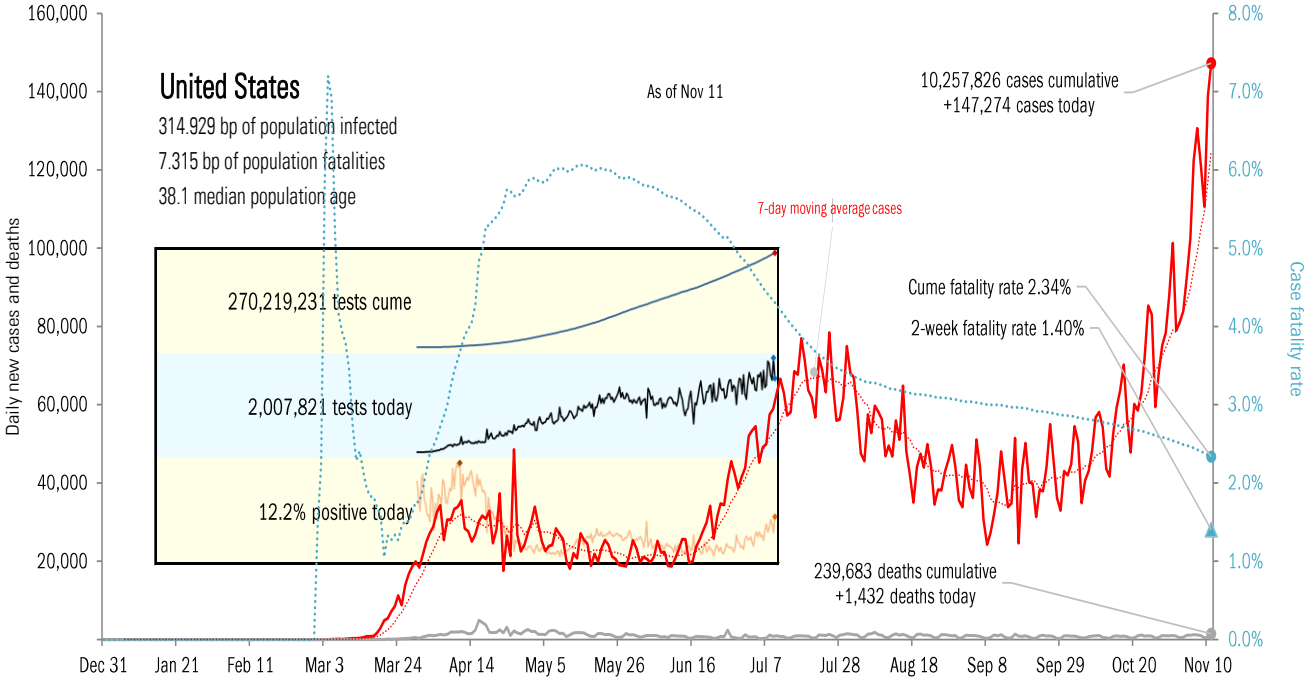
The ten worst US states

New cases		New Deaths		New in hospital		Cume cases		Cume deaths		Cume in hospital	
IL	+12,623	MO	+146	IL	+333	CA	977,218	NY	26,005	NY	89,995
TX	+11,211	TX	+94	OH	+214	TX	974,230	TX	18,863	FL	51,479
WI	+7,432	MI	+86	IN	+162	FL	840,652	CA	18,001	NJ	38,453
MI	+6,944	IL	+82	MI	+144	NY	536,145	FL	17,460	GA	32,631
OH	+6,508	WI	+72	MN	+140	IL	511,183	NJ	16,461	#N/A	0
CA	+5,367	FL	+69	FL	+132	GA	376,054	IL	10,645	AZ	45,318
MN	+4,893	IN	+67	CA	+131	NC	297,442	MA	10,184	AL	21,886
IN	+4,829	PA	+62	PA	+111	WI	293,812	PA	9,086	OH	21,037
PA	+4,361	TN	+62	TN	+110	TN	289,749	GA	8,730	IN	19,023
FL	+4,282	GA	+53	NJ	+108	AZ	263,133	MI	8,094	MD	17,914
	+68,450		+793		+1,585		5,359,618		143,529		337,736
All states	+130,989	All states	+1,347	All states	+2,689	All states	10,122,811	All states	231,659	All states	500,692
Top ten	52%	Top ten	59%	Top ten	59%	Top ten	53%	Top ten	62%	Top ten	67%

Some states not reporting

Five most improved US states

Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most recoveries	
KS	-5,920	AR	-19	MI	-246	TX	+5,960
TN	-3,940	CT	-18	AR	-130	WI	+4,151
MI	-2,361	ND	-17	AL	-82	TN	+3,628
CA	-1,845	KS	-15	WI	-76	MN	+3,581
CT	-1,814	WV	-12	NV	-58	OH	+2,825



Source: States and test data Covid Tracking Project, US data ECDC, TrendMacro calculations

Recommended reading

[Furry fury: Denmark's mink problem](#)
The Economist
November 11, 2020

[Coronavirus (COVID-19) Update: FDA Authorizes Monoclonal Antibody for Treatment of COVID-19](#)
Food and Drug Administration
November 9, 2020

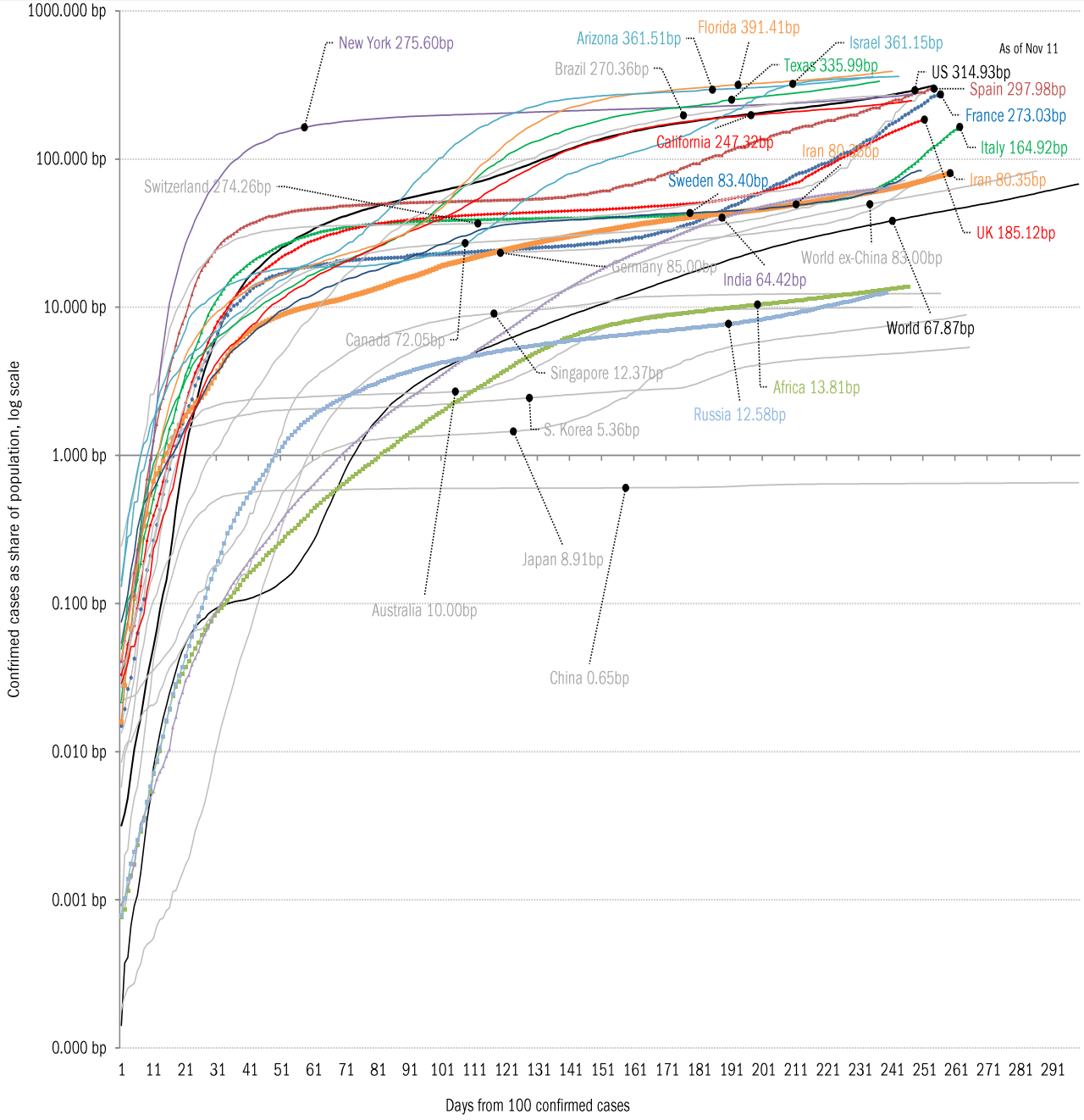
[Sasse Statement on Vaccine and Cuomo](#)
Ben Sasse
November 9, 2020

Meme of day

Source: Our beloved clients, and [Power Line blog "The Week in Pictures"](#)

The coronavirus case accelerometer… tracking the world's infection curves

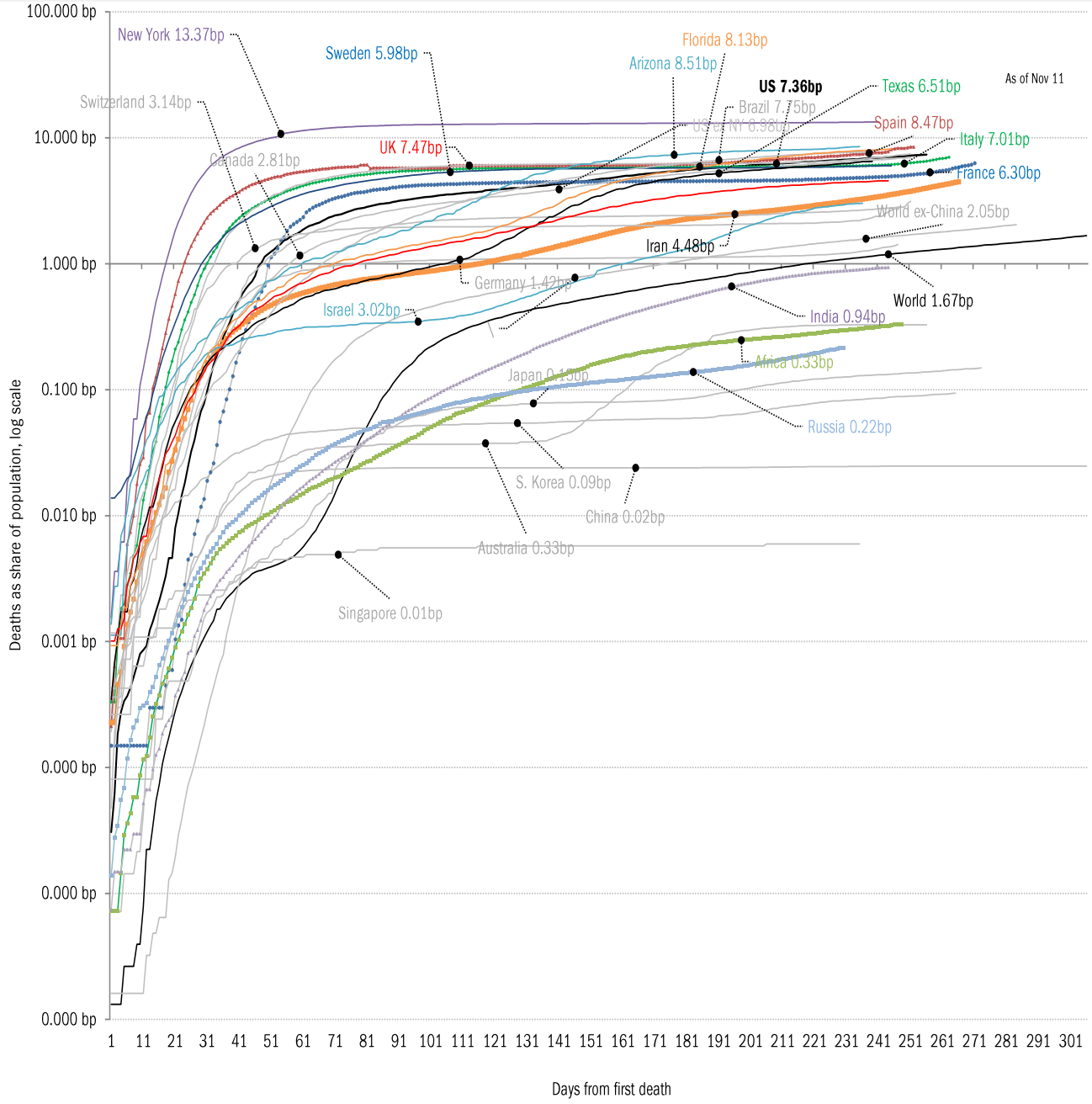
Share of infected population from first day with 100 confirmed cases, log scale



Source: ECDC, TrendMacro calculations

The coronavirus mortality accelerometer … tracking the world's fatality curves

Share of deceased population from day of first fatality

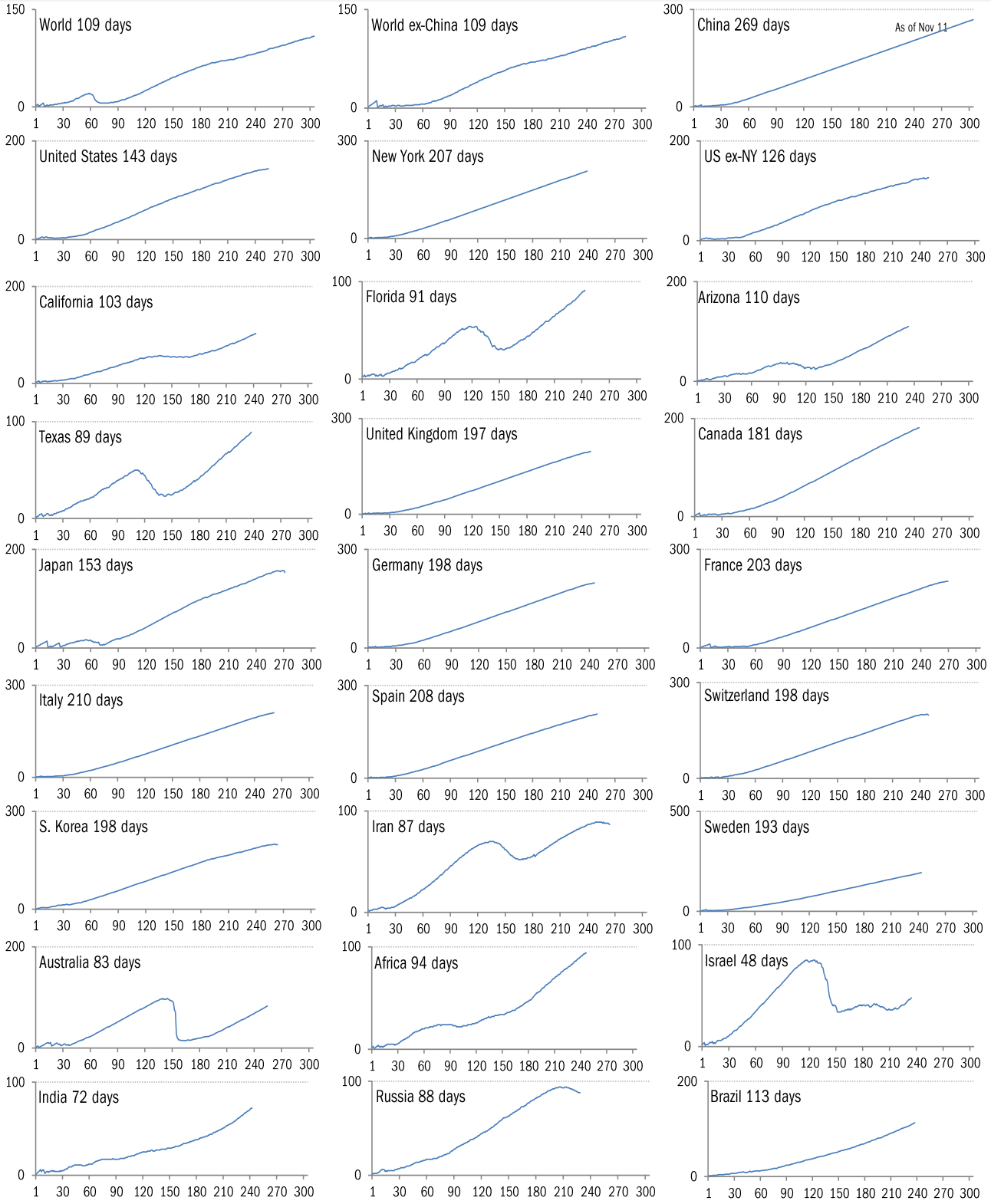


Source: ECDC, TrendMacro calculations

Our most reliable evidence of slowing exponential growth of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

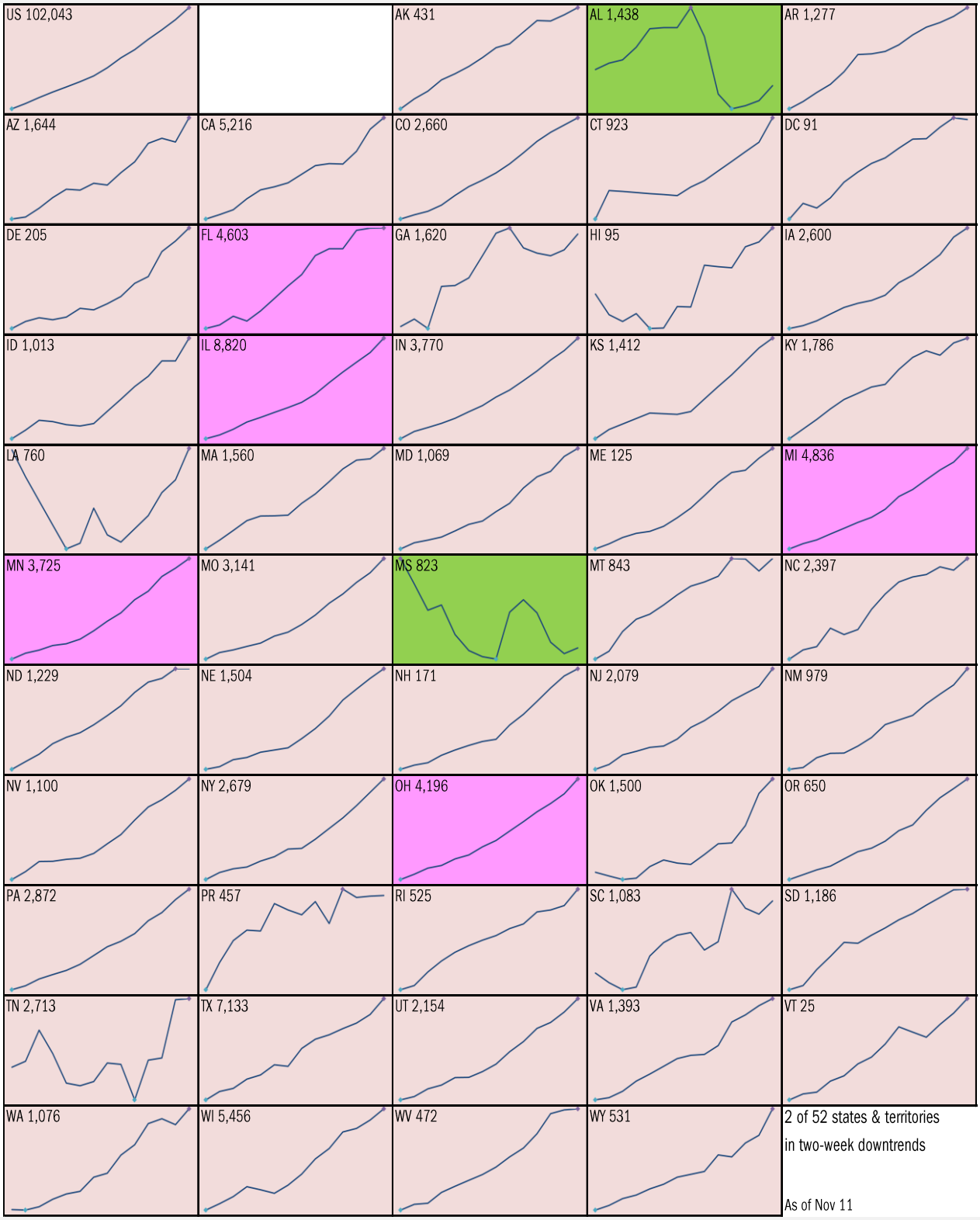


Source: ECDC, TrendMacro calculations

Requirement to Open Up America Again: 14-day "downward trajectory" in new cases

14-day moving average, last 14 days Most recent value displayed • High • Low

Downward trajectory Five best Upward trajectory Five worst

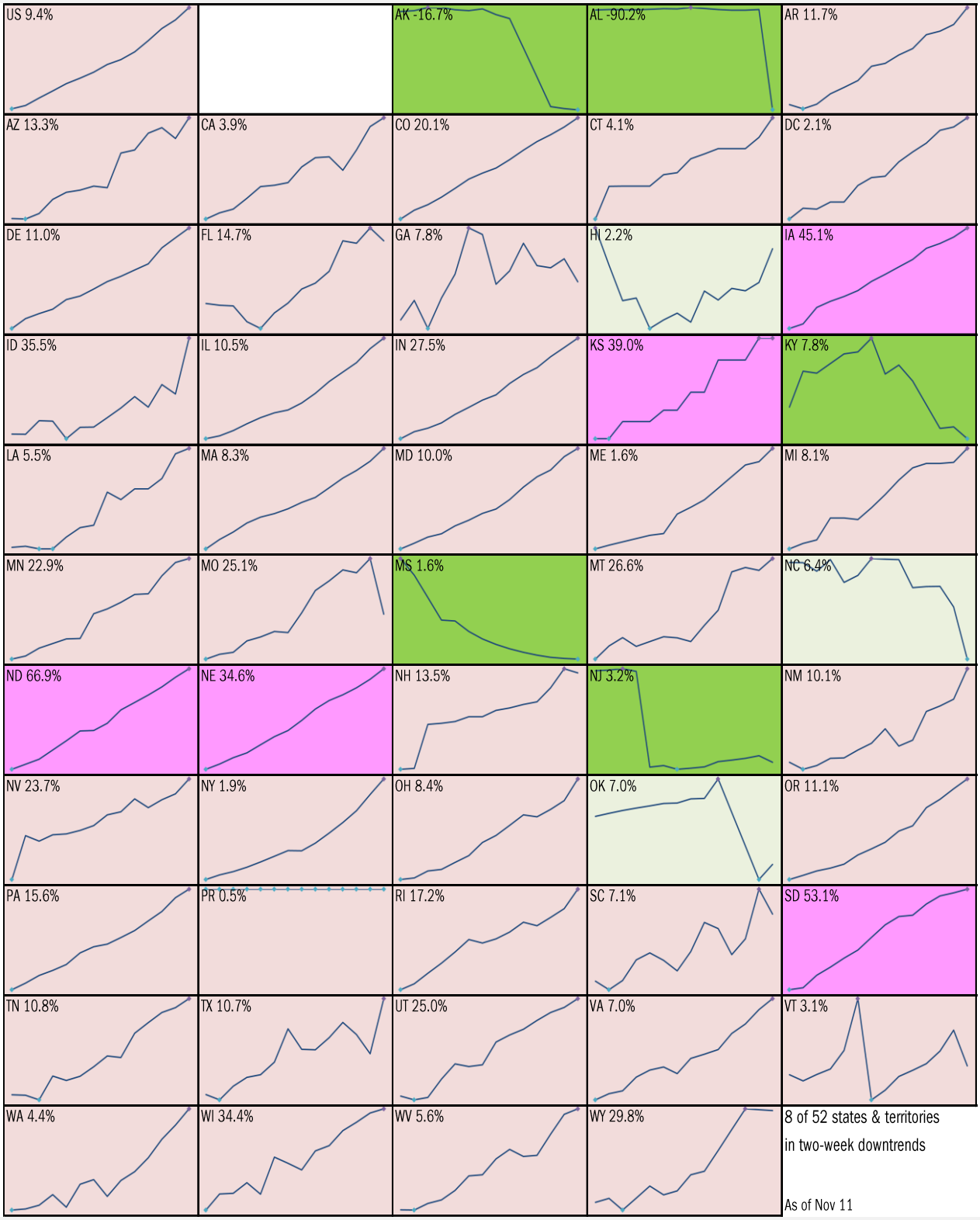


Source: Covid Tracking Project, TrendMacro calculations

Alt requirement to Open Up America Again: 14-day "downward trajectory" in pos tests

14-day moving average, last 14 days *Most recent value displayed* • High • Low

Downward trajectory Five best Upward trajectory Five worst

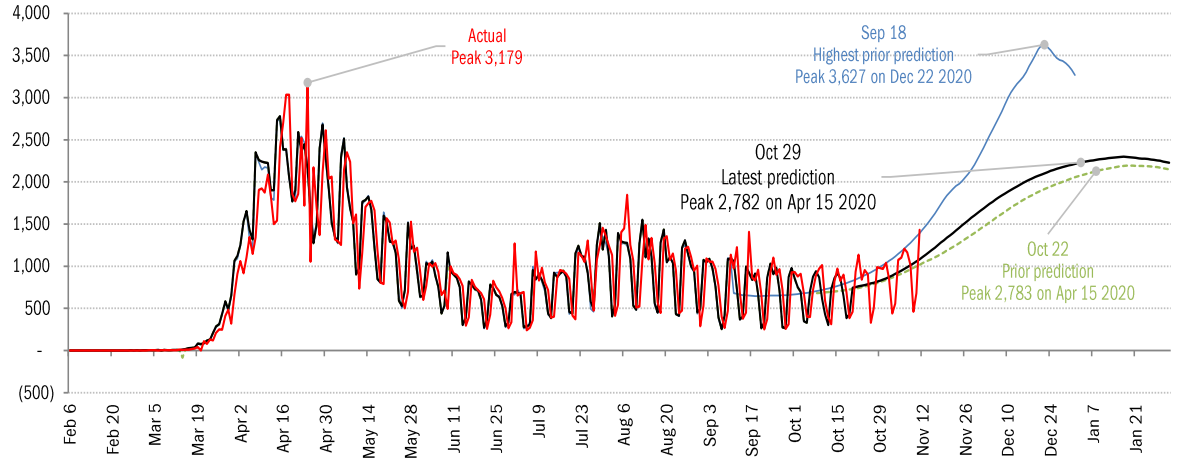


Source: Covid Tracking Project, TrendMacro calculations

Reality-checking the models: actuals versus IHME predictions

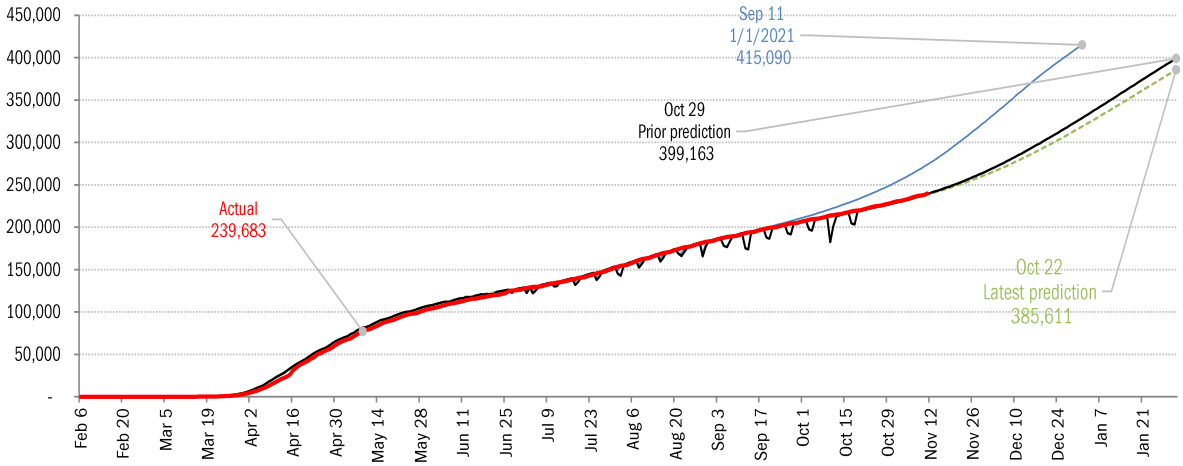
New daily fatalities As of Nov 11

Actual versus first, highest, lowest and latest model mean predictions

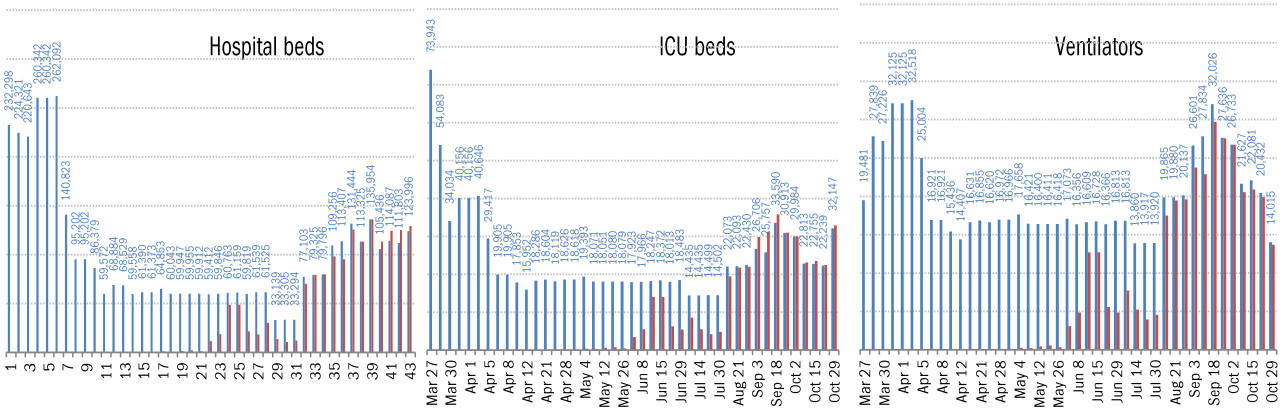


Cumulative fatalities

Actual versus first, highest, lowest and latest model mean predictions

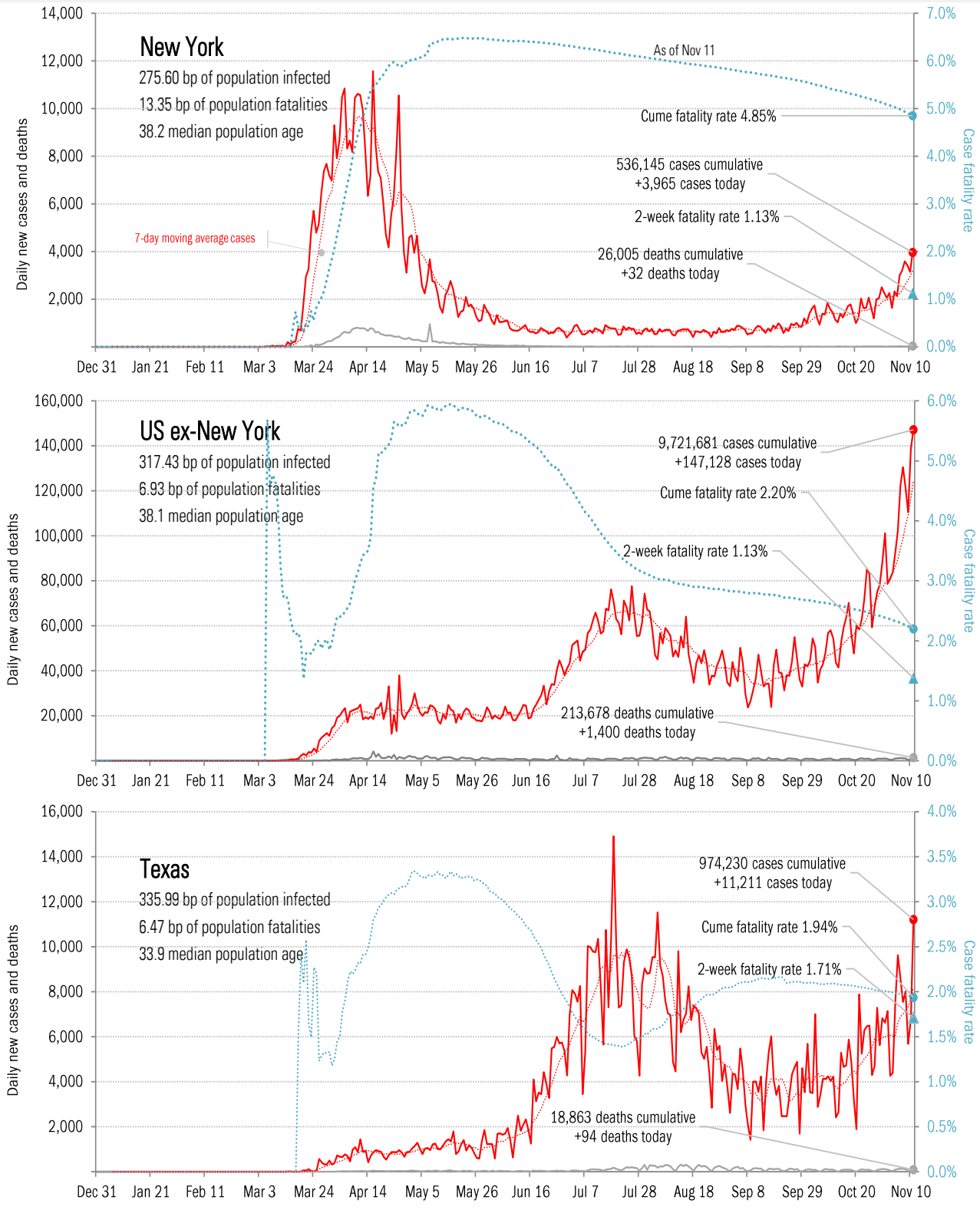


Healthcare system stress, peak and ultimate estimated at each model revision



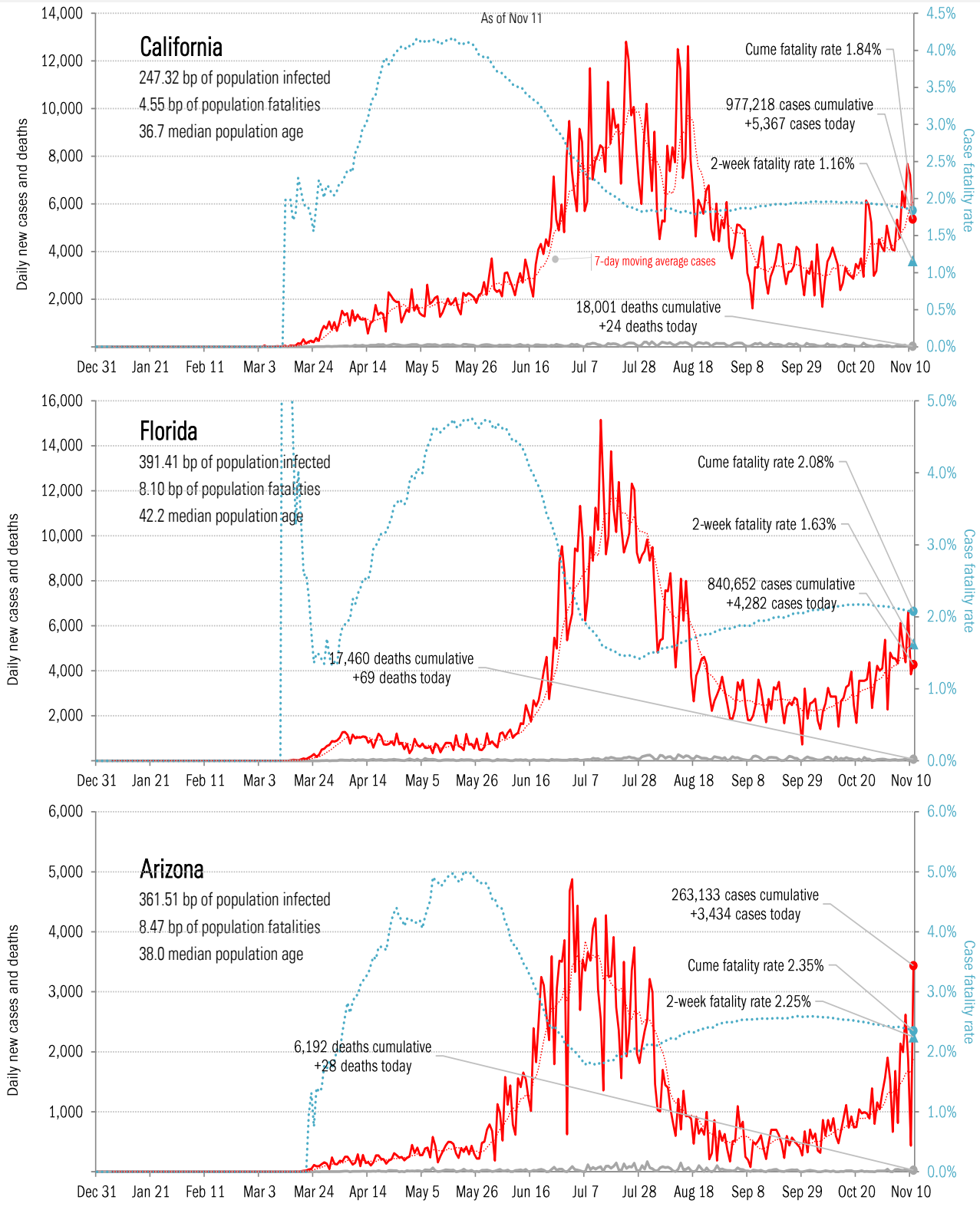
Source: ECDC, IHME, TrendMacro calculations

From Ground Zero to the Rio Grande



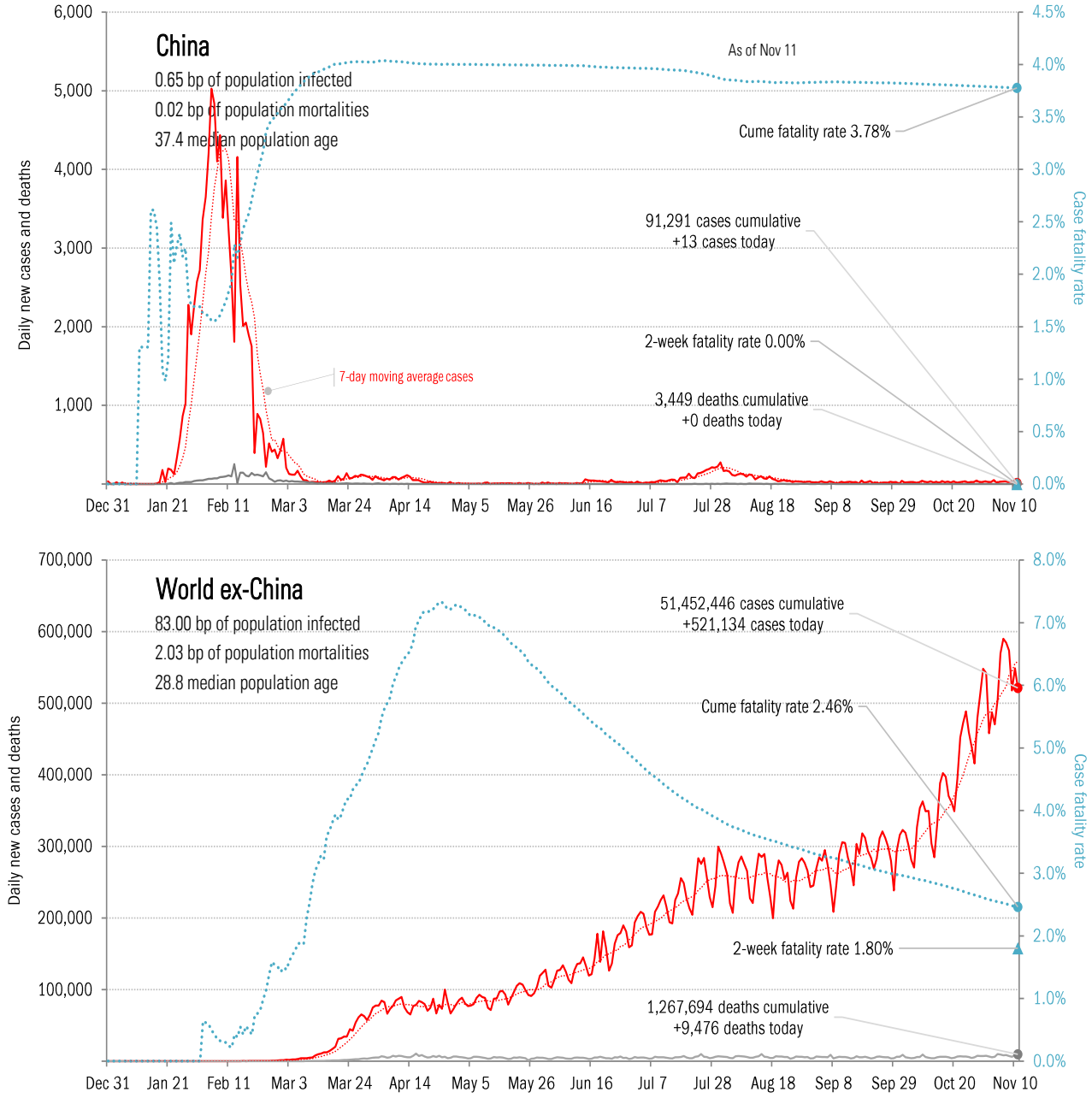
Source: ECDC, TrendMacro calculations

The sun-belt hot-spot states (other than Texas)



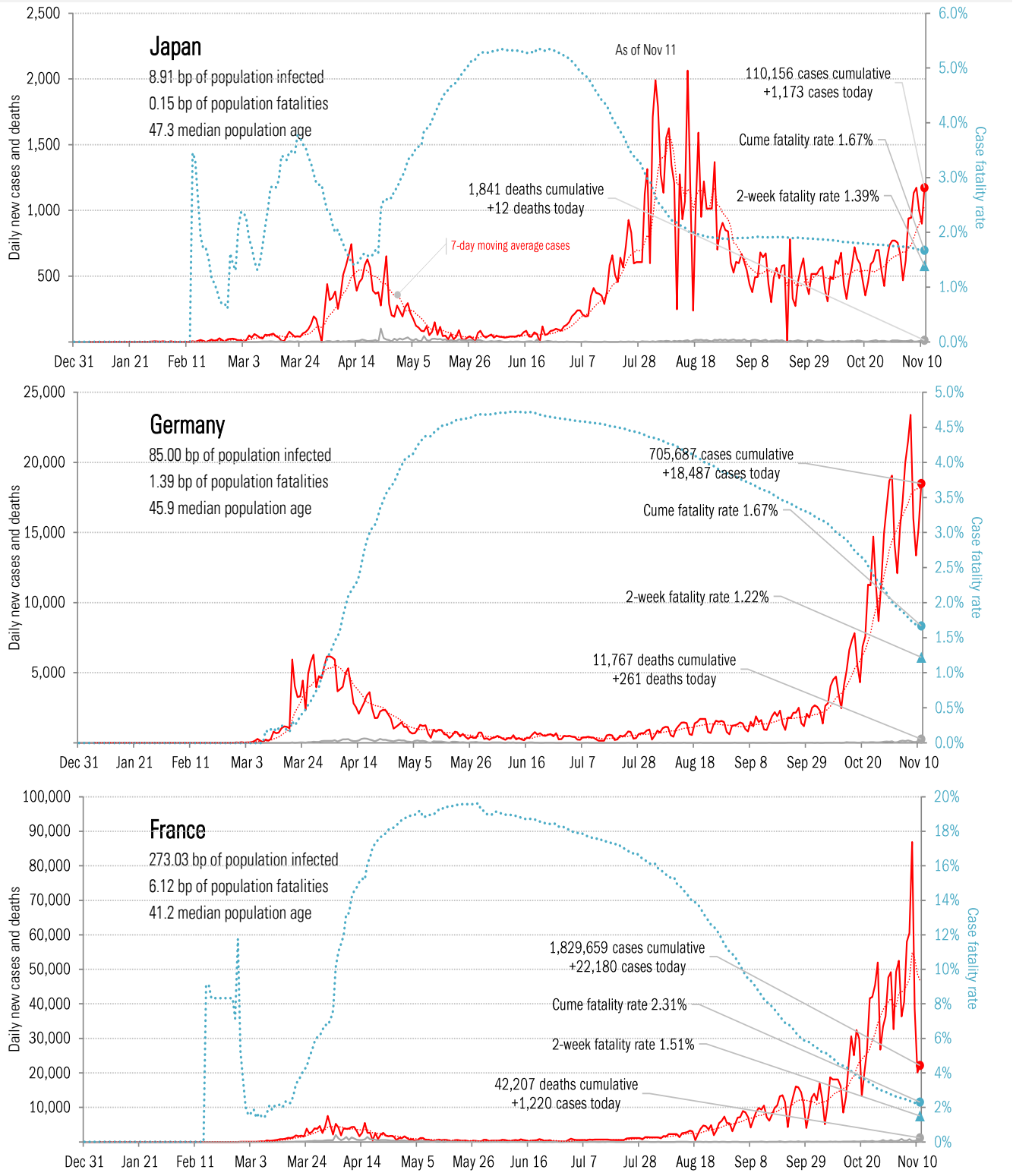
Source: ECDC, TrendMacro calculations

Patient zero… and then everyone else



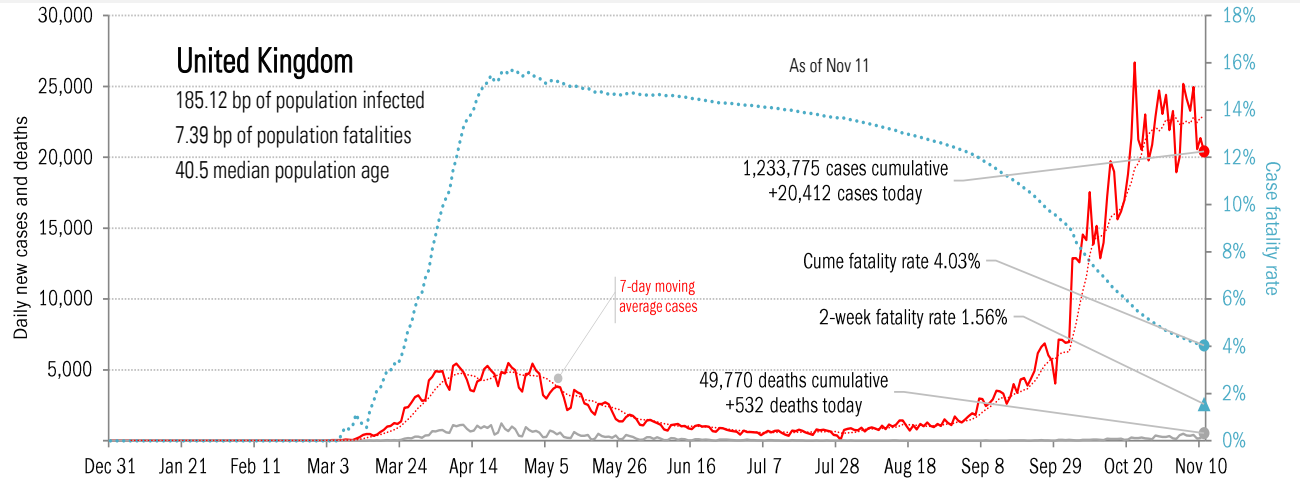
Source: ECDC, TrendMacro calculations

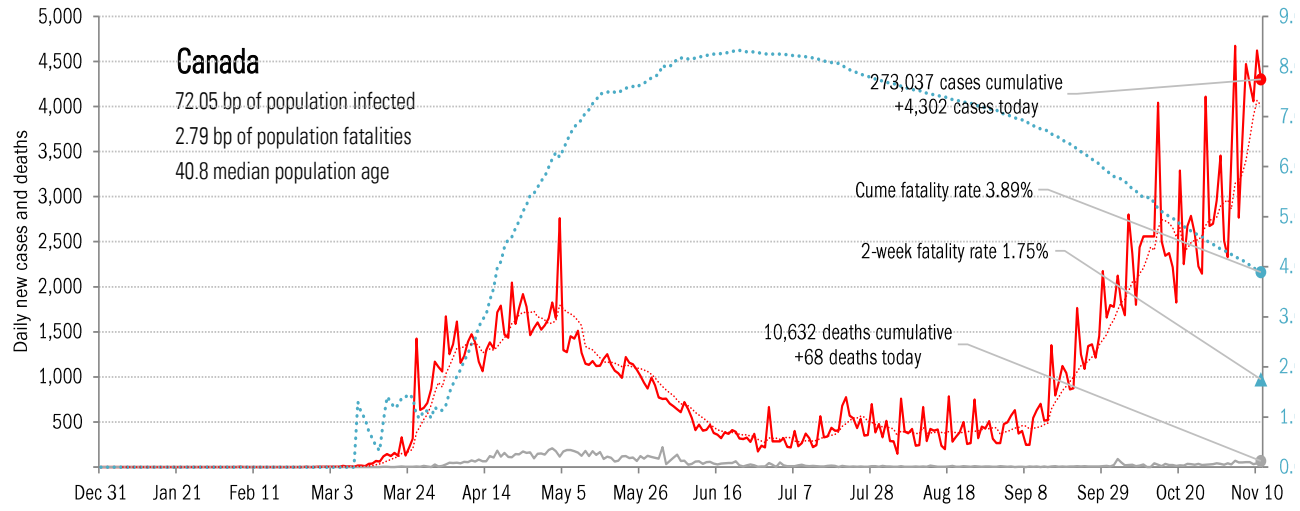
Impact in the largest economies

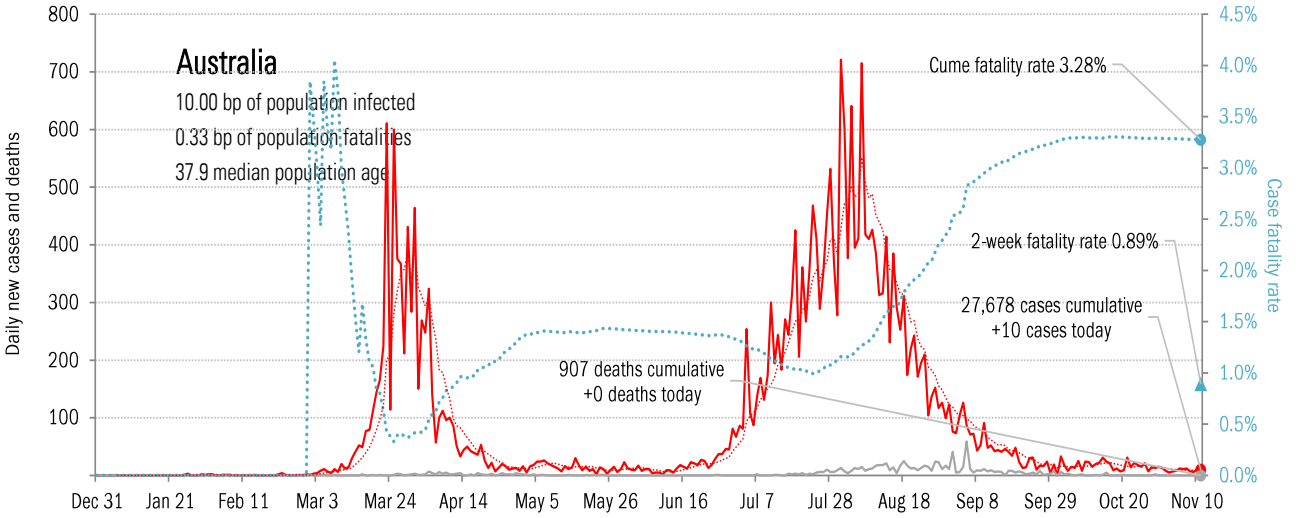


Source: ECDC, TrendMacro calculations

Impact in The Anglosphere

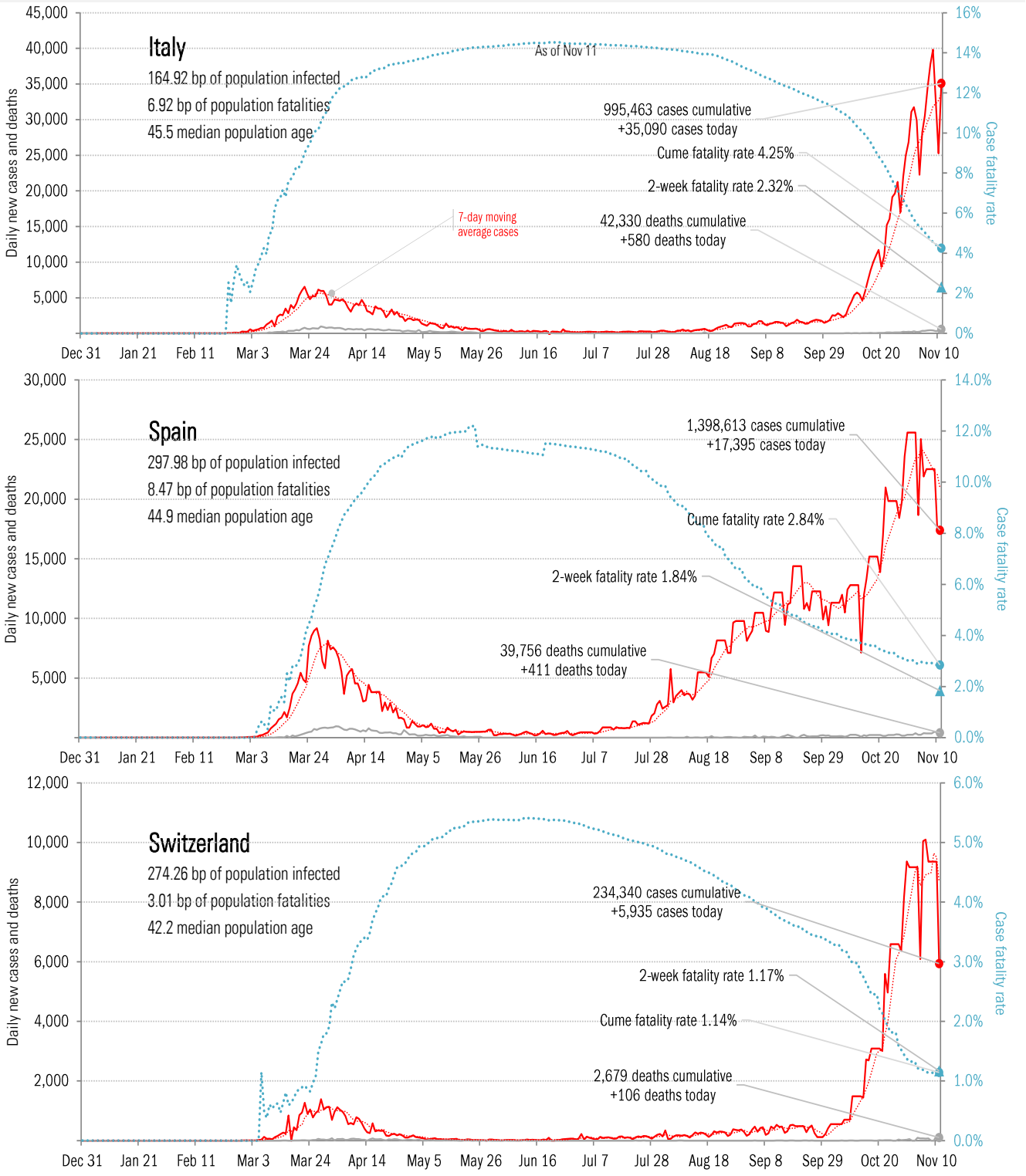






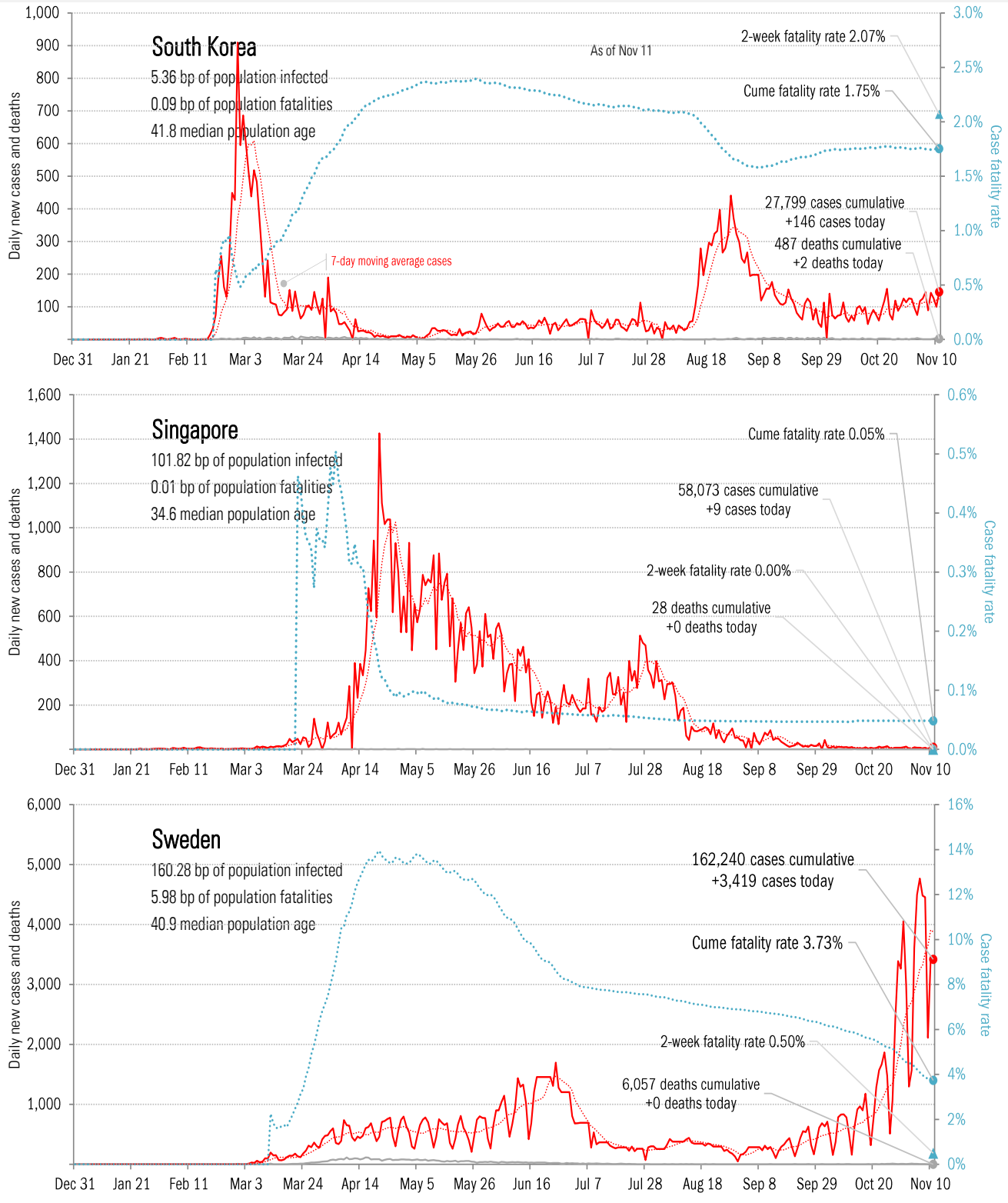
Source: ECDC, TrendMacro calculations

Impact in continental Europe



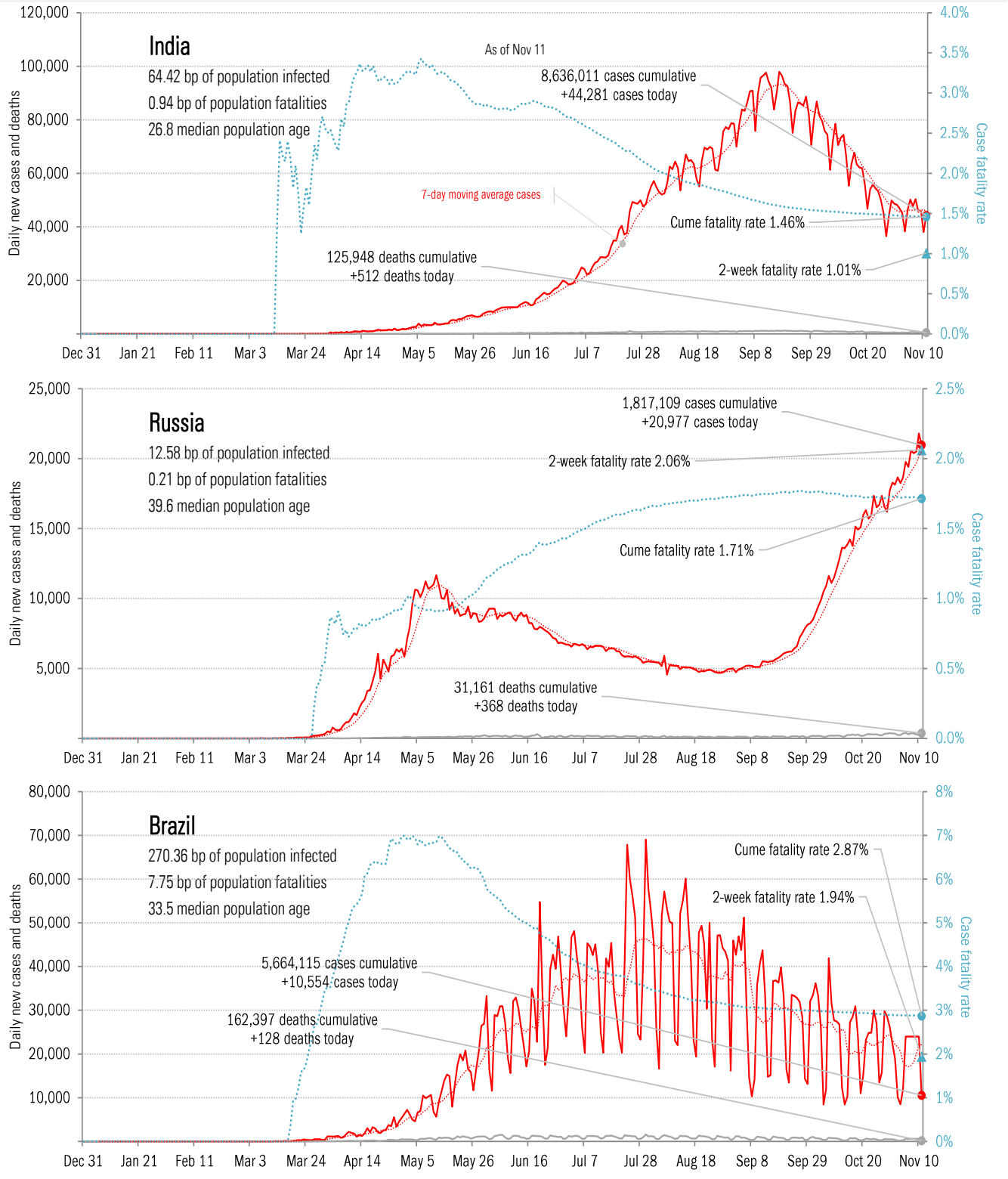
Source: ECDC, TrendMacro calculations

Impact in other hot-spots



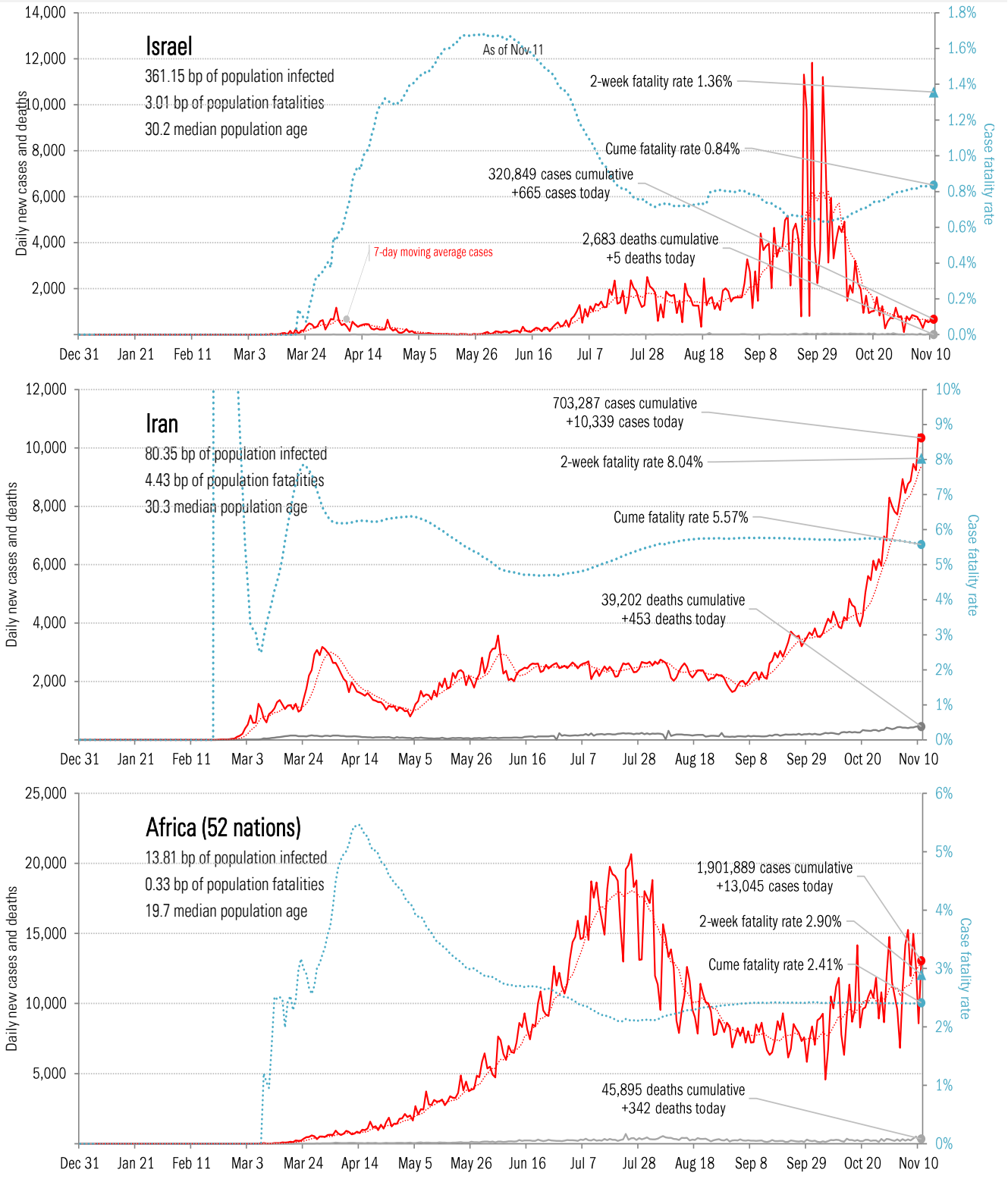
Source: ECDC, TrendMacro calculations

Impact in the BRICs ex-China



Source: ECDC, TrendMacro calculations

Impact in the Middle East and Africa



Source: ECDC, TrendMacro calculations